

DATE: April 15, 2021

FROM: Christopher Rudd, P.E., State Design Policy Engineer

TO: American Council of Engineering Companies (ACEC), Office of Program Delivery (OPD)

SUBJECT: Revised Lighting Pay Items

In conjunction with the release of the revised GDOT Standard Specifications, the lighting and electrical pay items have been updated. These revisions were done to streamline both the design and bidding processes by eliminating hundreds of excessive pay item numbers associated with roadway light poles and other redundant, outdated items.

Section 681 has been retired, eliminating all “681” prefix pay items. These were all the light pole pay items, which will now be governed by the criteria spelled out within **Section 680**. Additionally, all HPS and other HID luminaire pay items have been retired as GDOT fully graduates to the use of LED luminaires.

As evident, there are two categories of light poles – post top and conventional poles. In post top applications, there is no bracket arm, so there is no need to specify a bracket arm. However, when conventional poles are used, each luminaire bracket arm will need to be quantified separately and individually. In the end, the system is geared towards a ‘build your own pole’ approach, where customized combinations are now easier.

All electrical cable, conduit, junction boxes, pull boxes, etc. which are common to roadway lighting, Intelligent Transportation Systems (ITS) and traffic signal applications (except for communication cable) are now specified within **Section 682**. The existing cable and conduit pay items currently found in Section 682 have not changed, although some may have been retired.

Another significant change is that high mast tower foundations will be quantified as an “each” pay item going forward. However, this does NOT preclude the designer from providing a Geotechnical study or high mast tower foundation design. High mast tower foundations will continue to require a specific soil study at each tower location and an appropriate tower foundation design to be included within any plan set where high mast towers are to be installed.

If there are any questions or concerns regarding these pay item revisions, please do not hesitate to reach out to Robert Graham at rgraham@dot.ga.gov or (404) 631-1684.